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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 1678-90

PERMIT NO.: 1990-EN-1678

FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS  
PREPARED BY: Randy Putnam

DATE ISSUED: November 9, 1990

SUBJECT: THE GATES RUBBER COMPANY -- Power House Oil/Water Separator - Galesburg  
Sanitary District

PERMITTEE TO CONSTRUCT  
The Gates Rubber Company  
Route 150 East Knoxville Road  
Galesburg, Illinois 61401

Permit is hereby granted to the above designated permittee to construct water pollution control facilities described as follows:

One 1600 gallon capacity oil/water separator to pretreat approximately 50 gallons/day of power plant/air compressor wastewater prior to discharging to Galesburg Sanitary District.

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplement Permit.

SPECIAL CONDITION 1: The operation of the pretreatment facilities must be under the direct and active field supervision of a certified industrial treatment plant operator in accordance with the State of Illinois Rules and Regulations, Title 35, Subtitle C, Chapter 1, Part 312.

SPECIAL CONDITION 2: The issuance of this permit does not relieve the permittee of the responsibility of complying with 35 Ill. Adm. Code, Part 307 and/or the General Pretreatment Regulations (40 CFR 403) and any guidelines developed pursuant to Section 301, 306, or 307 of the Federal Clean Water Act of 1977.

EPA Region 5 Records Ctr.



325918

Continued On Page 2

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:JOP:lab/3855n, 81-83  
cc: EPA - Region 3  
Randy Putnam, Consulting Engr.  
Record ✓  
Binds  
Galesburg Sanitary District

DIVISION OF WATER POLLUTION CONTROL

*Thomas G. McSwiggin*  
Thomas G. McSwiggin, P.E.  
Manager, Permit Section

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
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DATE ISSUED: November 9, 1990

SUBJECT: THE GATES RUBBER COMPANY -- Power House Oil/Water Separator - Galesburg  
Sanitary District

SPECIAL CONDITION 3: The issuance of this permit does not relieve the permittee of the responsibility of complying with any limitations and provisions imposed by the City of Galesburg.

SPECIAL CONDITION 4: Pursuant to 35 Ill. Adm. Code 201.142 and 143, this project requires a construction permit and an operating permit from the Division of Air Pollution Control. You may apply for a joint construction and operating permit by completing the attached forms.

READ ALL CONDITIONS CAREFULLY:  
STANDARD CONDITIONS

The Illinois Environmental Protection Act (Illinois Revised Statutes, Chapter 111-1/2, Section 1039) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

1. Unless the construction for which this permit is issued has been completed, this permit will expire (1) two years after the date of issuance for permits to construct sewers or wastewater sources or (2) three years after the date of issuance for permits to construct treatment works or pretreatment works.
2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any agent duly authorized by the Agency upon the presentation of credentials:
  - a. to enter at reasonable times, the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit.
  - b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit.
  - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit.
  - d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants.
  - e. to enter at reasonable times and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
  - a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located;
  - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;
  - c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;
  - d. does not take into consideration or attest to the structural stability of any units or parts of the project;
  - e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. Unless a joint construction/operation permit has been issued, a permit for operating shall be obtained from the Agency before the facility or equipment covered by this permit is placed into operation.
7. These standard conditions shall prevail unless modified by special conditions.
8. The Agency may file a complaint with the Board for suspension or revocation of a permit:
  - a. upon discovery that the permit application contained misrepresentations, misinformation or false statements or that all relevant facts were not disclosed; or
  - b. upon finding that any standard or special conditions have been violated; or
  - c. upon any violation of the Environmental Protection Act or any Rule or Regulation effective thereunder as a result of the construction or development authorized by this permit.

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY

1/7  
IL 532-0357  
ADM 39  
054-002

Subject The Gates Rubber Company

Data Log No. 1678-90

Reviewed by Joy Purdy

Date November 2, 1990

1. Name & Address of Applicant:

The Gates Rubber Company  
Rt 150 East Knoxville Rd.  
Galesburg, IL 61401

2. Name of Project: Installation of oil/water separator to  
pretreat power plant/air compressor wastewater.

3. Description of Project: Applicant constructed an oil/water  
separator in January 1990. This  
permit will be for that o/w separator.

4. Contact Person: Randy Putnam  
Environmental Engineer  
Gates Rubber Co.  
(303) 744-4572

5. List of Signatures:

Patrick D. McFadden  
Vice President Advanced Technology & Engineering  
Gates Rubber Co.

Ernest W. Karger, P.E.  
Gates Rubber Co.  
PO Box 5887  
Denver, Co 80217  
(303) 744-4935

Galesburg Sanitary District  
President

2/1

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY

IL 532-0357  
ADM 39  
054-002

Subject The Gates Rubber Company

Data Log No. 1678-90

Reviewed by Joy Purdy

Date November 2, 1990

## 6. Description of Facility:

Gates Rubber Co. produces 750,000 lbs/day of raw rubber (798% synthetic-neoprene) for rubber hoses. The facility has two oil/water separators:

- (i) south side separator (Permit No. 1974-EB-873-OP)
- (ii) power house separator (not permitted).

This project is for the power house separator.

## 7. Description of Pretreatment System:

The dimensions of the oil/water separator are 5'  $\phi$  x 11'. The recovered oil & grease (0.005 GPD) is held in a drum until it is hauled away by Safety Kleen of Rock Island. The decanted water (49.995 GPD) then enters the plant effluent system prior to discharging to the sanitary sewer (150,000 GPD).

$$\begin{aligned}\text{Volume of separator} &= \pi \frac{d^2}{4} H \\ &= \frac{\pi}{4} (5)^2 (11) \\ &= 216 \text{ ft}^3\end{aligned}$$

$$216 \text{ ft}^3 \times \frac{7.5 \text{ gal}}{\text{ft}^3} = 1620 \text{ gal.}$$

$$\frac{1620 \text{ gal}}{50 \text{ gal/day}} = 32 \text{ days detention time}$$

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCYIL 532-0357  
ADM 39  
054-002Subject The Gates Rubber CompanyData Log No. 1678-90Reviewed by Joy PurdyDate November 2, 1990

## 8. Applicable Standards:

① Rubber Processing Category (40CFR 428) - No P/T stds. available

② Galesburg Local LimitsGates Rubber Co. effluent

Cadmium	0.1 mg/l	0.005 mg/l
Selenium	0.1 mg/l	-
FOG	150 mg/l	268 mg/l (raw)
Arsenic	0.17 lbs/day	-
Cr (T)	6.5 "	-
Cu	1.8 "	0.098 mg/l
CN	1.5 "	-
Pb	5.2 "	2.104 mg/l
Ni	1.4 "	-
Zn	3.5 "	0.581 mg/l

③ National Pretreatment Standards (40CFR403)

9. CRDPA: Construct & operate permit required for DAPC  
No permit required for DLPC

10. Action: Issue construction permit

No expiration date

Galesburg Sanitary District has an approved P/T program

Certified operator required

APC Permit required

DWPC CROPA FACT SHEET AND MEMORANDUM

DATE: Sept. 12, 1990

TO: B. Mathur DAPC  
L. Easter DLPC  
DPWS

FROM: Joy Purdy DWPC CONTACT PERSON

SUBJECT: Candidate for Coordinated Permit Review  
Gates Rubber Co. - Galesburg  
Name of Project Project Location or Site

Logged out 9-12-90 at  
4/7 Harish  
**RECEIVED**

SEP 12 1990

ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF AIR POLLUTION CONTROL  
STATE OF ILLINOIS

Logged in APC  
9/14/90  
ly

On 9/14/90 applicant (called/submitted application) which indicated they would be a potential candidate for a coordinated permit review for this project. A basic description of the project is as follows:

>10,000 P.E....., Contains Toxics..... Source of Waste = APC Device.....  
Storage of Haz. or Toxic Wastes..... LPC Facility.....  
Facility Treats Haz. or Toxic Wastes..... PWS Facility.....  
Sludge Produced... other Permits may be required...

NOTE: PLEASE RESPOND BY 9/26/90

COMMENTS: Permit application to construct an  
oil/water separator to pretreat  
power plant/air compressor effluent.  
Recovered oil is taken by Safety Kleen of  
Rock Island. Pretreated effluent is  
discharged to Galesburg S.D.

TO: Joy Purdy DWPC

FROM: Pat Dennis ~~APC~~ CONTACT PERSON 5-17/6 Tel # ly

Logged out APC  
9/14/90.

(FOR DWPC USE ONLY — CHECK HERE IF NOT SUBJECT TO CROPA )

- (1) A permit Is Needed/Has Been Issued/Is Not Required  
(2) Project is Significant/Not Significant

Logged in  
9/17/90  
se

Please attach specific language for any special conditions required.

BL:bv/sp/3118C/1  
(Revised 12/86)

see attached

Logged out 9-12-90  
6/7  
Logged in LPC  
9/18/90 NGR

DWPC CROPA FACT SHEET AND MEMORANDUM

DATE: Sept. 12, 1990  
TO: B. Mathur DAPC  
L. Easter DLPC  
FROM: Joy Purdy DWPC CONTACT PERSON  
SUBJECT: Candidate for Coordinated Permit Review  
Gates Rubber Co. - Galesburg  
Name of Project Project Location or Site

On 9/14/90 applicant (called/submitted application) which indicated they would be a potential candidate for a coordinated permit review for this project. A basic description of the project is as follows:

>10,000 P.E...., Contains Toxics..... Source of Waste = APC Device.....  
Storage of Haz. or Toxic Wastes..... LPC Facility.....  
Facility Treats Haz. or Toxic Wastes..... PWS Facility.....  
Sludge Produced... other Permits may be required...

NOTE: PLEASE RESPOND BY 9/26/90

COMMENTS: Permit application to construct an  
oil/water separator to pretreat  
power plant/air compressor effluent.  
Recovered oil is taken by Safety Kleen of  
Rock Island. Pretreated effluent is  
discharged to Galesburg S.D.

TO: Joy Purdy DWPC  
FROM: C.L. SMITH DWPC CONTACT PERSON 54437 Tel #

Logged out  
LPC 10/5/90  
NGR

(FOR DWPC USE ONLY — CHECK HERE IF NOT SUBJECT TO CROPA )

- (1) A permit Is Needed/Has Been Issued/Is Not Required  
(2) Project is Significant/Not Significant

Logged in  
10/9/90  
se

Please attach specific language for any special conditions required.

BL:bv/sp/3118C/1  
(Revised 12/86)

RECEIVED

SEP 13 1990

IEPA-DLPC





DATE:

TO:

EWPC/DLPC/DEWS

FROM:

Pat Dennis, DAPC

SUBJECT:

Gates Rubber Co. - Galesburg

This project will require a permit from the Division of Air Pollution Control. Please use the paragraph marked as a special condition with your permit when issued.

☒ Pursuant to 35 Ill. Adm. Code 201.142 and 143 this project requires from the Division of Air Pollution Control, a construction permit prior to construction and an operating permit prior to operation. You may apply for a joint construction and operating permit simultaneously. Please complete the attached forms to make your application.

☐ Pursuant to 35 Ill. Adm. Code 201.142, this project requires a construction permit from the Division of Air Pollution Control prior to construction. You may apply for a construction permit by completing the attached application forms.

☐ Pursuant to 35 Ill. Adm. Code 201.143 this project requires an operating permit from the Division of Air Pollution Control prior to operation. You may apply for an operating permit by completing the attached application forms.

If you have any questions regarding these forms please contact Pat Dennis at 217/782-2113.

☐ Other - see below.

Date: Sept. 12, 1990

To: Jim Kammueeller, Manager, DWPC/FOS Peoria Region

From: Joy Purdy, Industrial Unit, Permit Section/DWPC

Subject: Gates Rubber Co. Log No. 1678-90  
Rt. 150 East Knoxville Rd.  
Galesburg, IL 61401  
Knox County  
 State Construction/Operating Permit Application

On Sept. 4, 1990 the Permit Section received an application from the above facility. A brief description of the project is as follows:

Application to construct an oil/water  
separator tank at the power house.  
Effluent will discharge to Galesburg S.D.

If you have any questions or concerns regarding the project, please contact me within 10 days at 217/782-1696.

TRK: rmi/1388g/81

cc: Permit Section

**Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Permit Section  
Springfield, Illinois 62706**

For IEPA Use:  
Log Number: 1678-90  
Date Received: \_\_\_\_\_  
**RECEIVED**

**Application For Permit Or Construction Approval**

SEP 04 1990

WPC-PS-1

**1. Name and Location:**

Name of project: The Gates Rubber Company

Environmental Protection Agency  
WPC -- Permit Log In

Municipality or Township: Galesburg County: Knox

**2. Brief Description of Project:** Installation of oil/water separator on wastewater discharge

**3. Documents Being Submitted:** If the project involves any of the items listed below, submit the corresponding schedule, and check the appropriate spaces.

**Project**

Private Sewer Connection .....	A	Spray Irrigation .....	H
Public Sewer Extension .....	B	Septic Tanks .....	I
Sewer Extension Construct Only .....	C	Industrial Treatment or Pretreatment .....	J <u>X</u>
Sewage Treatment Works .....	D	Cyanide Acceptance .....	L
Excess Flow Treatment .....	E	Updating Cyanide Acceptance Form .....	M
Lift Station/Force Main .....	F	Waste Characteristics .....	N
Sludge Disposal .....	G	Erosion Control .....	P
		Trust Disclosure .....	T

**4. Land Trust:** Is the project identified in item number 1 herein, for which a permit is requested, to be constructed on land which is the subject of a trust? ☐ Yes ☒ No

If yes, Schedule T (Trust Disclosure) must be completed and item number 7.1.1 must be signed by a beneficiary, trustee, or trust officer.

Plans: Title \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Specifications: Title \_\_\_\_\_ Number of Books/Pages: \_\_\_\_\_

Other Documents (Please Specify) \_\_\_\_\_

**RECEIVED**

SEP 04 1990

**5. This is an Application for (Check Appropriate Line):**

- ☒ A. Joint Construction And Operating Permit  
☐ B. Authorization To Construct (See Instructions) NPDES Permit No. IL00  
☐ C. Construct Only Permit (Does Not Include Operations)  
☐ D. Operate Only Permit (Does Not Include Construction)

Environmental Protection Agency  
Division of Water Pollution Control  
Permit Section-Springfield  
Issue State of Illinois

**6. Certifications and Approval:**

**6.1 Certificate by Design Engineer**

I hereby certify that I am familiar with the information contained in this application, including the attached schedules above, and that to the best of my knowledge and belief such information is true, complete and accurate. The plans and specifications (specifications other than Standard Specifications or local specifications on file with this Agency) as described above were prepared by me or under my direction.

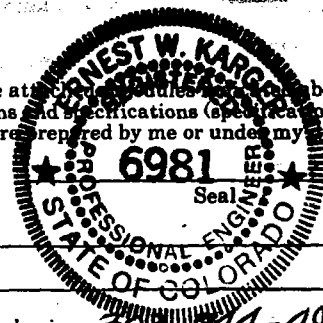
Engineer: E. W. Karger Name \_\_\_\_\_ Registration Number 6981

Firm: Gates Rubber Co

Address: PO Box 5887 Denver CO 80217

Phone Number: 303 744-4935

Signature X E. W. Karger



**7. Certifications and Approvals for Permits:**

**7.1 Certificate by Applicant(s)**

I/We hereby certify that I/we have read and thoroughly understand the conditions and requirements of this Application, and am/are authorized to sign this application in accordance with the Rules and Regulations of the Illinois Pollution Control Board.  
 I/We hereby agree to conform with the Standard Conditions and with any other Special Conditions made part of this Permit.

**7.1.1 Name Of Applicant For Permit Or Authorization To Construct** \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Signature X \_\_\_\_\_

Title \_\_\_\_\_ Organization \_\_\_\_\_

The IEPA is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

7.1.2 Name Of Applicant For Permit To Own and Operate The Gates Rubber Company

RT 150 East Knoxville Rd. Galesburg IL 61401

Street City State Zip Code

Signature X Patricia D. McFall

Title Vice President Advanced Technology and Engineering

7.2 Attested (Units of Government)

Signature X

Date

Title

(City Clerk, Village Clerk, Sanitary District Clerk, Etc.)

7.3 Applications from non-governmental applicants which are not signed by the owner, must be signed by a principal executive officer of at least the level of vice president, or his duly authorized representative.

7.4 Certificate By Intermediate Sewer Owner

I hereby certify that (Please check one):

- \_\_\_\_\_ 1. The sewers to which this project will be tributary have adequate reserve capacity to transport the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or
- \_\_\_\_\_ 2. The Illinois Pollution Control Board, in PCB \_\_\_\_\_ dated \_\_\_\_\_, granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

Name and location of sewer system to which this project will be tributary:

Galesburg Sanitary District

Sewer System Owner City of Galesburg

Street City State Zip Code

Signature X Date Title

7.4.1 Additional Certificate By Intermediate Sewer Owner

I hereby certify that (Please check one):

- \_\_\_\_\_ 1. The sewers to which this project will be tributary have adequate reserve capacity to transport the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or
- \_\_\_\_\_ 2. The Illinois Pollution Control Board, in PCB \_\_\_\_\_ dated \_\_\_\_\_, granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

Name and location of sewer system to which this project will be tributary:

Sewer System Owner

Street City State Zip Code

Signature X Date Title

7.5 Certificate By Waste Treatment Works Owner

I hereby certify that (Please check one):

- \_\_\_\_\_ 1. The waste treatment plant to which this project will be tributary has adequate reserve capacity to treat the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or
- \_\_\_\_\_ 2. The Illinois Pollution Control Board, in PCB \_\_\_\_\_ dated \_\_\_\_\_, granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

I also certify that the industrial waste discharges described in the application is capable of being treated by the treatment works, and such waste discharges will be in compliance with all currently applicable local, state or federal pretreatment requirements.

Name and location of waste treatment works to which this project will be tributary:

Treatment Works Owner

Street City State Zip Code

Signature X Date Title

7.1.2 Name Of Applicant For Permit To Own and Operate The Gates Rubber Company (309) 437171  
RT 150 East Knoxville Rd. Galesburg IL 61401  
 Street City State Zip Code  
 Signature X Patricia D. McFadden

Title Vice President Advanced Technology and Engineering

7.2 Attested (Units of Government)

Signature X \_\_\_\_\_ Date \_\_\_\_\_ Title \_\_\_\_\_  
 (City Clerk, Village Clerk, Sanitary District Clerk, Etc.)

7.3 Applications from non-governmental applicants which are not signed by the owner, must be signed by a principal executive officer of at least the level of vice president, or his duly authorized representative.

7.4 Certificate By Intermediate Sewer Owner

I hereby certify that (Please check one):

- \_\_\_\_\_ 1. The sewers to which this project will be tributary have adequate reserve capacity to transport the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or
- \_\_\_\_\_ 2. The Illinois Pollution Control Board, in PCB \_\_\_\_\_ dated \_\_\_\_\_, granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

Name and location of sewer system to which this project will be tributary:

Galesburg Sanitary District

Sewer System Owner City of Galesburg Sanitary District  
2700 W Main St Galesburg IL 61401  
 Street City State Zip Code  
 Signature X Samuel J. ... Date 9/27/90 Title President

7.4.1 Additional Certificate By Intermediate Sewer Owner

I hereby certify that (Please check one):

- \_\_\_\_\_ 1. The sewers to which this project will be tributary have adequate reserve capacity to transport the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or
- \_\_\_\_\_ 2. The Illinois Pollution Control Board, in PCB \_\_\_\_\_ dated \_\_\_\_\_, granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

Name and location of sewer system to which this project will be tributary: \_\_\_\_\_

Sewer System Owner \_\_\_\_\_

Street City State Zip Code  
 Signature X \_\_\_\_\_ Date \_\_\_\_\_ Title \_\_\_\_\_

7.5 Certificate By Waste Treatment Works Owner

I hereby certify that (Please check one):

- X 1. The waste treatment plant to which this project will be tributary has adequate reserve capacity to treat the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or
- \_\_\_\_\_ 2. The Illinois Pollution Control Board, in PCB \_\_\_\_\_ dated \_\_\_\_\_, granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

I also certify that the industrial waste discharges described in the application is capable of being treated by the treatment works, and such waste discharges will be in compliance with all currently applicable local, state or federal pretreatment requirements.

Name and location of waste treatment works to which this project will be tributary: Galesburg Sanitary District

Treatment Works Owner Galesburg Sanitary District 3427261  
2700 W Main St Galesburg IL 61401  
 Street City State Zip Code  
 Signature X Samuel J. ... Date 9/27/90 Title President



FOR TEPA USE: 1678-2  
LOG #  
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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF WATER POLLUTION CONTROL  
PERMIT SECTION  
Springfield, Illinois 62706

SEP 04 1990

Environmental Protection Agency  
WPC -- Permit Log In

SCHEDULE J INDUSTRIAL TREATMENT WORKS CONSTRUCTION OR PRETREATMENT WORKS

1. NAME AND LOCATION:

The Gates Rubber Co

1.1 Name of project

1.2 Plant Location

1.2.1 SE 1/4 19 T.11.N R.2.E  
Quarter Section Section Township Range P.M.  
1.2.2 Latitude 40 55 08 "North  
Longitude 090 19 31 "West

1.2.3 Name of USGS Quadrangle Map (7.5 or 15 Minutes) Galesburg, ILL (15')

2. NARRATIVE DESCRIPTION AND SCHEMATIC WASTE FLOW DIAGRAM: (see instructions)

Air compressor blowdown is passed through an oil separator (decanter)

Schematic attached (dwg. 006 8/16/90)

2.1 PRINCIPAL PRODUCTS: rubber hose

2.2 PRINCIPAL RAW MATERIALS: oils, carbon black, natural and synthetic rubbers

3. DESCRIPTION OF TREATMENT FACILITIES:

3.1 Submit a flow diagram through all treatment units showing size, volumes, detention times, organic loadings, surface settling rate, weir overflow rate, and other pertinent design data. Include hydraulic profiles and description of monitoring systems. see dwg 006

3.2 Waste Treatment Works is: Batch Continuous X; No. of Batches/day; No. of Shifts/day 3

3.3 Submit plans and specifications for proposed construction.

3.4 Discharge is: Existing X; Will begin on

4. DIRECT DISCHARGE IS TO: Receiving Stream Municipal Sanitary Sewer X, Municipal storm or municipal combined sewer. If receiving stream or storm sewer indicated complete the following:

Name of receiving stream; tributary to; tributary to; tributary to

5. Is the treatment works subject to flooding? If so, what is the maximum flood elevation of record (in reference to the treatment works datum) and what provisions have been made to eliminate the flooding hazard? No

6. APPROXIMATE TIME SCHEDULE: Estimated construction schedule:

Start of Construction Jan 90; Date of Completion Feb 90

Operation Schedule 168 hrs./wk; Date Operation Begins Feb 90

100% design load to be reached by year 1990

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SEP 04 1990

Environmental Protection Agency  
Division of Water Pollution Control  
Permit Section-Springfield  
State of Illinois

IL 532-0018  
WPC 158

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

# DESIGN LOADINGS

7.1 Design population equivalent (one population equivalent is 100 gallons of wastewater per day, containing 0.17 pounds of BOD<sub>5</sub> and 0.20 pounds of suspended solids;

BOD unk; Suspended Solids unk; Flow 0.5 population equivalents

7.2 Design Average Flow Rate 0.000050 MGD.

7.3 Design Maximum Flow Rate 0.000075 MGD.

7.4 Design Minimum Flow Rate 0 MGD.

7.5 Minimum 7-day, 10-year low flow NA cfs MGD.

Minimum 7-day, 10-year flow obtained from NA

7.6 Dilution Ratio NA;

## 8. FLOW TO TREATMENT WORKS (if existing):

8.1 Flow (last 12 months)

8.1.1 Average Flow 0.15 MGD.

8.1.2 Maximum Flow 0.20 MGD.

8.2 Equipment used in determining above flows

9. Has a preliminary engineering report for this project been submitted to this Agency for Approval?

YES NO X. If so, when was it submitted and approved. Date Submitted

Certification#

Dated

10. List Permits previously issued for the facility: NONE

11. Describe provisions for operation during contingencies such as power failures, flooding, peak loads, equipment failure, maintenances shut-downs and other emergencies.

None

12. Complete and submit Schedule G if sludge disposal will be required by this facility.

13. WASTE CHARACTERISTICS: Schedule N must be submitted.

14. TREATMENT WORKS OPERATOR CERTIFICATION: List names and certification numbers of certified operators:

Not Required

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REGION III  
AUG 30 1990  
ENVIRONMENTAL PROTECTION AGENCY  
STATE OF ILLINOIS



This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

FOR IEPA USE:  
LOG #  
DATE RECEIVED

1678-90  
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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF WATER POLLUTION CONTROL  
PERMIT SECTION  
Springfield, Illinois 62706

SEP 04 1990

Environmental Protection Agency  
WPC -- Permit Log In

SCHEDULE N WASTE CHARACTERISTICS

1. Name of Project The Gates Rubber Co.

2. FLOW DATA

EXISTING

PROPOSED-DESIGN

2.1 Average Flow (gpd)

50 (est.)

50 (est.)

2.2 Maximum Daily Flow (gpd)

75 (est.)

75 (est.)

2.3 TEMPERATURE

Time of  
year

Ave. Intake  
Temp. F

Avg. Effluent  
Temp. F

Max. Intake  
Temp. F

Max. Effluent  
Temp. F

Max. Temp. Out-  
side Mixing  
Zone F

SUMMER

unknown

unknown

unknown

unknown

NA

WINTER

unknown

unknown

unknown

unknown

NA

2.4 Minimum 7-day, 10-year flow: NA cfs MGD.

2.5 Dilution Ratio: NA;

2.6 Stream flow rate at time of sampling NA cfs MGD.

3. CHEMICAL CONSTITUENT Existing Permitted Conditions X; Existing conditions     ; Proposed Permitted Conditions     .

Type of sample: grab (time of collection     );      composite (Number of samples per day     )

(see instructions for analyses required)

SEP 04 1990  
Environmental Protection Agency  
Division of Water Pollution Control  
Permit Section-Springfield  
State of Illinois

Constituent	RAW WASTE (mg/l)	TREATED EFFLUENT Avg. (mg/l) Max.	UPSTREAM DOWNSTREAM SAMPLES (mg/l) (mg/l)
Ammonia Nitrogen (asN)	Unknown	Same as raw waste	NA
Arsenic (total)			
Barium			
Boron			
BOD <sub>5</sub>			
Cadmium	0.005 avg.		
Carbon Chloroform Extract	Unknown		
Chloride			
Chromium (total hexavalent)			
Chromium (total trivalent)			
Copper	0.098 avg.		
Cyanide (total)	Unknown		
Cyanide (readily released @150°F & pH 4.5)			
Dissolved Oxygen			
Fecal Coliform			

[illegible]

ENVIRONMENTAL PROTECTION AGENCY  
STATE OF ILLINOIS  
ROUTE SLIP

DATE 8-30-90  
TO: DWPC - Permits - Div 4 out

- ☐ Approval
- ☐ As requested
- ☐ Comment
- ☐ Confer
- ☐ For information
- ☐ For recommendation
- ☐ Investigate
- ☒ Necessary action
- ☐ Note and destroy
- ☐ Note and file
- ☐ Note and return
- ☐ Per conversation
- ☐ Prepare reply
- ☐ Signature

Remarks

Permit application  
be reviewed by  
you. Send back  
by mistake.

FROM: J. K. M. Miller

IL 532-0561  
EPA 001 7/75

076-001

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SEP 04 1990

Environmental Protection Agency  
Division of Water Pollution Control  
Permit Section-Springfield  
State of Illinois

POWER PLANT/  
AIR COMPRESSOR  
EFFLUENT  
50 GPD

OIL  
SEPARATOR  
(DECANTER)

OIL & GREASE  
TO DRUM  
0.005 GPD  
(est.)

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PRETREATED  
EFFLUENT TO PLANT SYSTEM  
49.995 GPD (est.)

TO CITY SEWER  
150,000 GPD

PLANT EFFLUENT SYSTEM

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AUG 30 1990  
REGION III  
ENVIRONMENTAL PROTECTION AGENCY  
STATE OF ILLINOIS

ENG. NO. 006	REV. 0
TITLE	GALESBURG OIL SEPARATOR
DRAWN BY	DATE 8/16/90
BY	THE
The Gates Rubber Company	
SCALE	1" = 10' - 0" SCALE



1678-90

Knox KBN

08/27/1990

James E. KammueLLer  
Manager  
Peoria Office, Region 3  
Division of Water Pollution Control  
Illinois Environmental Protection Agency  
5415 North University  
Peoria, IL 61614

The Gates Rubber Company  
990 South Broadway  
P.O. Box 5887  
Denver, Colorado 80217  
(303) 744-1911

Dear Mr. KammueLLer:

Attached is the construction permit application for an oil-water separator at the Galesburg plant. Not having obtained this permit was listed as a deficiency in your letter of July 13, 1990. The data represents Gates best estimates of flows and concentrations through the system.

Since this is a very small contributor to the plant effluent (less than 0.05%), it has not been analyzed for contaminants. It was assumed that the concentrations through this system do not deviate significantly from the average combined flow from the plant. Therefore, the average combined plant concentrations were used.

The separator was designed and built on-site by plant personnel. It is manually operated, that is, the valve to drain off the collected oil is opened by hand. As designed it will have no impact on any contaminants except those insoluble in and lighter than water.

If you have any questions, call me at (303) 744-4572.

Randy Putnam  
Environmental Engineer

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SEP 04 1990

Environmental Protection Agency  
WPC -- Permit Log In

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SEP 04 1990

Environmental Protection Agency  
Division of Water Pollution Control  
Permit Section-Springfield  
State of Illinois

copy to (without attachment):

P.D. McFadden - AT&E

J.A. Doninger

T. Ryant

Mark Dutell - Galesburg

Juris Laipenieks - Engineering

Ernie Karger - PEPP

Merry Ann Vernon - Legal

copy to (with attachments):

Chuck Buchna - Galesburg

Jim Browning, Galesburg Sanitary District

file: Galesburg 233

GBCONSTPMT82790.DOX

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SEP 04 1990

Environmental Protection Agency  
Division of Water Pollution Control  
Permit Section-Springfield  
State of Illinois



July 13, 1990

KNOX COUNTY      -The Gates Rubber Company  
(Galesburg)      Wastewater Discharges and Pretreatment  
                         Inspection Report

Mr. Chuck Buchna, Plant Engineer  
The Gates Rubber Company  
Galesburg Division  
P.O. Box 1196  
Galesburg, Illinois 61402-1196

Dear Mr. Buchna:

On June 27, 1990, the undersigned, representing this Agency, conducted an inspection of your wastewater discharges and pretreatment facilities. Mr. James Browning of the Galesburg Sanitary District was also present during the inspection as were Gates' representatives Robert Seibert, Roy Darst, Howard Lozier, George Hobbs and Dick Ryner. Based on this inspection and a review of our files, the following items need to receive your attention:

1. Additional pretreatment may be needed in order to consistently meet Galesburg Sanitary District local sewer discharge limits for oil and lead.
2. A National Pollutant Discharge Elimination System (NPDES) Permit application should be filed for storm water discharges. Current proposed regulations required applications to be filed by February 4, 1990.
3. The wastewater pretreatment facilities are not under the supervision of a Class K certified operator as required by Section 312.101 of the Illinois Water Pollution Control Regulations, Subtitle C.
4. An Agency construction permit was apparently not issued for the powerhouse oil/water separator tank as required by Section 309.202 of Subtitle C.
5. The company should continue to proceed with remediation of the January, 1990, oil spill.

Please advise this office of the action you will be taking in regard to the above items.

KNOX COUNTY -The Gates Rubber Company  
(Galesburg) Wastewater Discharges and Pretreatment  
Inspection Report

-2-

If you have any questions or comments regarding this letter, please  
feel free to contact me.

Very truly yours,



James E. Kammuehler, Manager  
Peoria Office, Region 3  
Division of Water Pollution Control

JEK/pg

cc: James Browning, Galesburg Sanitary District

bcc: DWPC/FOS and RU  
DWPC/CAS-OCU  
DWPC/Permit Section-Ind. Unit  
Peoria Files